Journal of Non-Newtonian Fluid Mechanics, 40 (1991) 393
Elsevier Science Publishers B.V., Amsterdam

Subject Index of Vol. 40

bifurcation, 177
Boger fluid, 201, 231
boundary conditions, 307

coextrusion, 155
cone and plate flow, 201
configuration tensor, 79
constitutive equation, 1, 141, 381
convected coordinates, 55
corner flows, 323

deformation and breakup, 355
deformation free energy, 337
double-step strain experiments, 381

elongation, 177
elongational flow, 55
entrance flow, 103
exit flow, 103
extensional flow, 281
extensional viscosity, 271

FENE chains, 119
filament stretching, 271
film leveling, 47
finite amplitude oscillations, 1
finite element method, 25, 231
flow singularities, 323
fluid mechanics, 119
four-roll mill, 355

Giesekus fluid, 79

hole pressure, 25
HPBL equations, 25
hydrodynamic instability, 289

inflow conditions, 307
interfacial instability, 155, 261
interfacial tension, 289

Johnson–Segalman fluid, 25

K-BKZ theory, 381
kinetic theory, 119

laser Doppler velocimetry, 103
linear stability, 79
lip vortices, 323
Lodge network model, 337
long-wave analysis, 47
lubrication analysis, 47

Maxwell fluids, 307

nematics, 177
non-Newtonian flows, 25

parallel slits, 103
parallel-plate flow, 201
planar extensional flows, 355
Poiseuille flow, 79
polybutadienes, 141
polyisobutylene, 271
polymer solutions, 271, 281, 337
polymeric drops, 355
polymers, 119
posterior error analysis, 25

radial flow, 177
rheology, 119
rheometry, 281
rigid rod suspensions, 323
rubber-like liquid, 337

shear stresses, 381
singular perturbation, 307
slip, 141
solutions, 271
stress growth, 271
surface tension, 47

transition, 177

viscoelastic film, 47
viscoelastic drops, 355
viscoelastic flow, 79
viscoelastic flow instability, 201
viscoelastic fluids, 1, 155, 261, 307
viscoelasticity, 289
viscometry, 201

Journal of Non-Newtonian Fluid Mechanics, 40 (1991) 393
Elsevier Science Publishers B.V., Amsterdam

Subject Index of Vol. 40

bifurcation, 177
Boger fluid, 201, 231
boundary conditions, 307

coextrusion, 155
cone and plate flow, 201
configuration tensor, 79
constitutive equation, 1, 141, 381
convected coordinates, 55
corner flows, 323

deformation and breakup, 355
deformation free energy, 337
double-step strain experiments, 381

elongation, 177
elongational flow, 55
entrance flow, 103
exit flow, 103
extensional flow, 281
extensional viscosity, 271

FENE chains, 119
filament stretching, 271
film leveling, 47
finite amplitude oscillations, 1
finite element method, 25, 231
flow singularities, 323
fluid mechanics, 119
four-roll mill, 355

Giesekus fluid, 79

hole pressure, 25
HPBL equations, 25
hydrodynamic instability, 289

inflow conditions, 307
interfacial instability, 155, 261
interfacial tension, 289

Johnson–Segalman fluid, 25

K-BKZ theory, 381
kinetic theory, 119

laser Doppler velocimetry, 103
linear stability, 79
lip vortices, 323
Lodge network model, 337
long-wave analysis, 47
lubrication analysis, 47

Maxwell fluids, 307

nematics, 177
non-Newtonian flows, 25

parallel slits, 103
parallel-plate flow, 201
planar extensional flows, 355
Poiseuille flow, 79
polybutadienes, 141
polyisobutylene, 271
polymer solutions, 271, 281, 337
polymeric drops, 355
polymers, 119
posterior error analysis, 25

radial flow, 177
rheology, 119
rheometry, 281
rigid rod suspensions, 323
rubber-like liquid, 337

shear stresses, 381
singular perturbation, 307
slip, 141
solutions, 271
stress growth, 271
surface tension, 47

transition, 177

viscoelastic film, 47
viscoelastic drops, 355
viscoelastic flow, 79
viscoelastic flow instability, 201
viscoelastic fluids, 1, 155, 261, 307
viscoelasticity, 289
viscometry, 201

Journal of Non-Newtonian Fluid Mechanics, 40 (1991) 395
Elsevier Science Publishers B.V., Amsterdam

Author Index of Vol. 40

Armstrong, R.C., 201

Bird, R.B., 119
Bousfield, D.W., 47
Brown, R.A., 201
Byars, J.A., 201

Chen, K., 155, 261
Cook, L.P., 307
Crochet, M.J., 231

Deiber, J.A., 141
Denn, M.M., 281

Georgiou, G., 231
Gupta, R.K., 271

Hinch, E.J., 323

Kaye, A., 55
Keiller, R.A., 323
Keunings, R., 281

Leal, L.G., 355
Lequeux, F., 289

Malkus, D.S., 25
Mashelkar, R.A., 337
McKinley, G.H., 201
Milliken, W.J., 355
Momani, S., 231

Nguyen, D.A., 271

Ostrov, D.N., 119

Palierne, J.F., 289
Prakash, J.R., 337

Rey, A.D., 177

Schleiniger, G., 79, 307
Schowalter, W.R., 141
Shipman, R.W.G, 281
Sridhar, T., 271

Tirtaatmadja, V., 271

Venerus, D.C., 1, 381
Vrentas, C.M., 1, 381
Vrentas, J.S., 1, 381

Walters, K., 231
Wedgewood, L.E., 119
Weinacht, R.J., 79

Yao, M., 25
Yarusso, B.J., 103